

Notice of Allowability

Application No.

09/740,226

Examiner

Brian Goddard

Applicant(s)

SHI ET AL.

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

1. ☒ This communication is responsive to the Amendment and Request for Continued Examination filed 6 July 2004.
2. ☒ The allowed claim(s) is/are 28-45.
3. ☒ The drawings filed on 08 August 2003 are accepted by the Examiner.
4. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 1. ☐ Certified copies of the priority documents have been received.
 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.

THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

5. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 6. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
7. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

- | | |
|---|--|
| 1. <input type="checkbox"/> Notice of References Cited (PTO-892) | 5. <input type="checkbox"/> Notice of Informal Patent Application (PTO-152) |
| 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____. |
| 3. <input type="checkbox"/> Information Disclosure Statements (PTO-1449 or PTO/SB/08),
Paper No./Mail Date _____ | 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment |
| 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | 8. <input checked="" type="checkbox"/> Examiner's Statement of Reasons for Allowance |
| | 9. <input type="checkbox"/> Other _____. |


SAFET METJAHIC
SUPERVISORY PATENT EXAMINER

EXAMINER'S AMENDMENT

1. An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it **MUST** be submitted no later than the payment of the issue fee.
2. Authorization for this examiner's amendment was given in a telephone interview with Mr. Jeffrey Labaw on 9 November 2004.
3. **The Cross Reference to Related Application section on page 1 of the specification has been amended** to update the status of the related application as follows:

The present invention is related to the following U.S. Patent Application which is hereby incorporated herein by reference: Serial No. 09/740,251 entitled "Data Processing System and Method For Multi-Level Directory Searches" (Attorney Docket No. AUS9-2000-0732-US1), now U.S. Patent No. 6,625,615.

4. **Claims 28, 34 and 40 have been amended as follows:**

Claim 28: A method for retrieving directory information associated with a referenced object in another directory entry in a single search comprising the steps of:

receiving a request to search a directory structure, wherein said request comprises a first distinguished name to identify a first entry in said directory structure, wherein said request specifies a particular number of levels in said directory structure;

identifying said first entry in said directory structure referenced by said first distinguished name, wherein said first entry contains an attribute referencing a second entry in said directory structure; and

retrieving directory information from said second entry without performing a new search, wherein [[if]] said second entry is located within said specified number of levels from said first entry in said directory structure.

Claim 34: A computer program product embodied in a machine readable medium for retrieving directory information associated with a referenced object in another directory entry in a single search comprising the programming steps of:

receiving a request to search a directory structure, wherein said request comprises a first distinguished name to identify a first entry in said directory structure, wherein said request specifies a particular number of levels in said directory structure;

identifying said first entry in said directory structure referenced by said first distinguished name, wherein said first entry contains an attribute referencing a second entry in said directory structure; and

retrieving directory information from said second entry without performing a new search, wherein [[if]] said second entry is located within said specified number of levels from said first entry in said directory structure.

Claim 40: A system, comprising:

a memory unit operable for storing a computer program for retrieving directory information associated with a referenced object in another directory entry in a single search; and

a processor coupled to said memory unit, wherein said processor, responsive to said computer program, comprises:

circuitry for receiving a request to search a directory structure, wherein said request comprises a first distinguished name to identify a first entry in said directory structure, wherein said request specifies a particular number of levels in said directory structure;

circuitry for identifying said first entry in said directory structure referenced by said first distinguished name, wherein said first entry contains an attribute referencing a second entry in said directory structure; and

circuitry for retrieving directory information from said second entry without performing a new search, wherein [[if]] said second entry is located within said specified number of levels from said first entry in said directory structure.

REASONS FOR ALLOWANCE

5. The following is an examiner's statement of reasons for allowance:

Neither Traversat (US 6,366,954) nor Golla (US 6,587,874), taken alone or in combination, teach or suggest the retrieving of directory information "from said second

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entry without performing a new search, wherein said second entry is located within said specified number of levels from said first entry in said directory structure" in combination with the remaining steps of the method of claim 28. Claims 34 and 40 recite parallel limitations.

None of the prior art of record provides teaching, suggestion or motivation for this retrieving step in combination with the remaining steps of the method of claim 28.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

6. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Brian Goddard whose telephone number is 571-272-4020. The examiner can normally be reached on M-F, 9 AM - 5 PM.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Safet Metjahic can be reached on 571-272-4023. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

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Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

bdg
9 November 2004



SAFET METJAHIC
SUPERVISORY PATENT EXAMINER
TECHNOLOGY CENTER 2100